

New Location..   
 Drill Deeper.....   
 Abandonment.....

Allied Signal Inc.  
 P.O. Box J  
 Moundsville, wva. 26041

Farm ALLIED CHEMICAL & DYE CORP.

Tract 2 Acres 106 19/100 Lease No. ---

Well (Farm) No. 2 (4) Serial No. ---

Elevation (Spirit Level) 635.3

Quadrangle CLARINGTON Businessburg 7.5

County MARSHALL District CLAY

Engineer N. JAMES SCHELLHASE

Engineer's Registration No. 1673

File No. OIL WELLS Drawing No. 4

Date AUG. 4, 1952 Scale 1 inch = 800 ft.

WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

**WELL LOCATION MAP**

FILE NO. MARS-242-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

JAN 5 0 1998

1 2 3

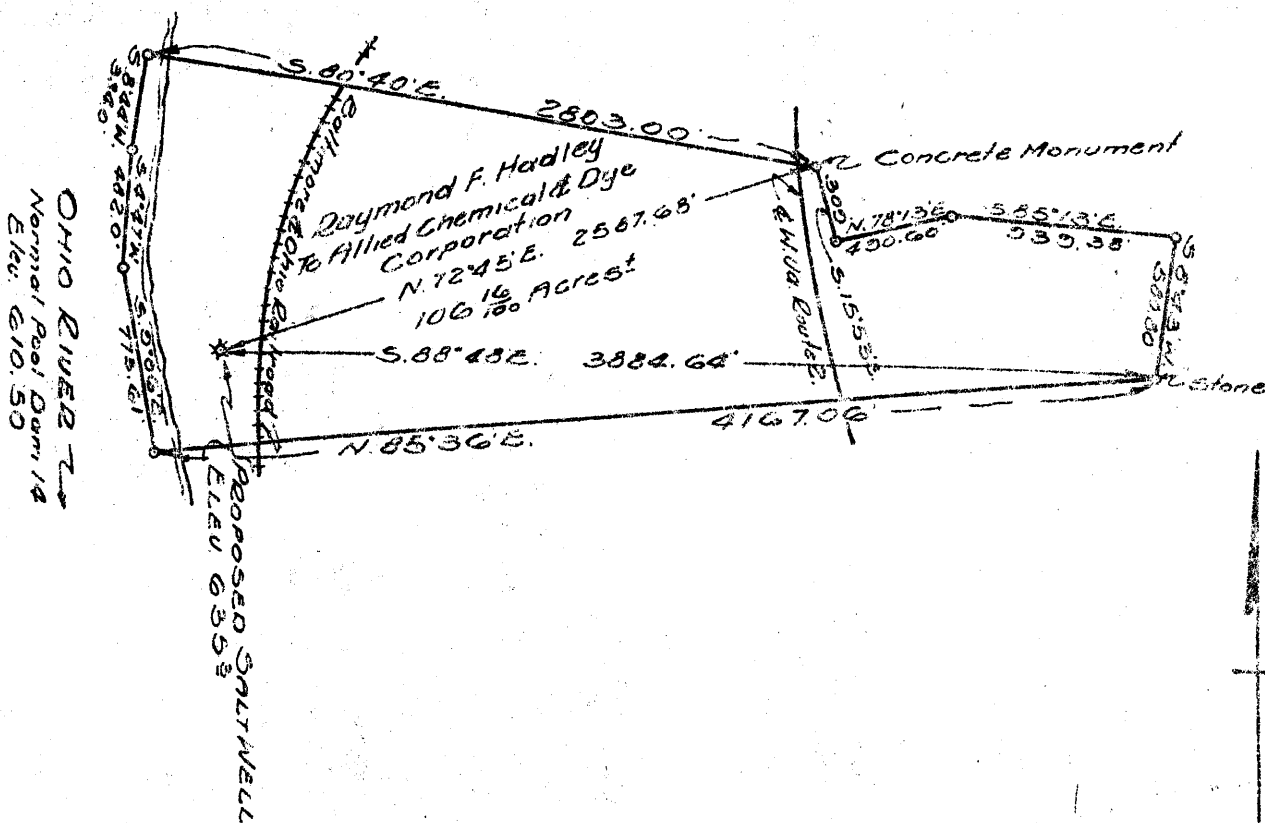
Latitude 39° 55'

5044

W 2.90

6 NC (D-8)

Longitude 30° 45'



Solway Salt well #4

New Location   
 Drill Deeper   
 Abandonment

Company SOLWAY PROCESS DIVISION, ALLIED CHEMICAL & DYE CORPORATION  
 Address SYRACUSE, NEW YORK  
 Farm ALLIED CHEMICAL & DYE CORP.  
 Tract 2 Acres 106 16/100 Lease No. ---  
 Well (Farm) No. 74 Serial No. ---  
 Elevation (Spirit Level) 635.3  
 Quadrangle CLARINGTON  
 County MARSHALL District CLAY EC  
 Engineer N. JAMES SCHELLHAASE  
 Engineer's Registration No. 1673  
 File No. OIL WELLS Drawing No. 4  
 Date AUG. 4, 1952 Scale 1 inch = 800 ft.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. MARS-242

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

9-0 0

Deep well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 7

*Clarington*

WELL RECORD

Permit No. *Mais-247*

Oil or Gas Well          Salt           
(KIND)

Company Solvay Process Division  
Address P. O. Drawer 271, Syracuse 1, New York  
Farm Solvay Process Division Acres 106 1/2  
Location (waters) Ohio River  
Well No. 4 Elev. 635.3'  
District Round Bottom County Marshall  
The surface of tract is owned in fee by Solvay Process  
Division Address Syracuse, N. Y.  
Mineral rights are owned by Solvay Process Division  
Address Syracuse, N. Y.  
Drilling commenced September 8, 1952.  
Drilling completed January 30, 1953.  
Date Shot          From          To           
With           
Open Flow          /10ths Water in          Inch  
         /10ths Merc. in          Inch  
Volume          Cu. Ft.  
Rock Pressure          lbs.          hrs.  
Oil          bbls., 1st 24 hrs.  
Fresh water          feet          feet  
Salt water          feet          feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18 14"	95' 2"		
10	425' 9"		Size of
8 1/2	1798' 1"		
6 7/8 O.D.	6377' 9"		Depth set
5 3/16 4"	6524' 8"		
2			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 8-1/4 SIZE 1798' No. Ft. 10/9/52 Date  
7" O. D. 6377' 1/22/53

COAL WAS ENCOUNTERED AT 393 FEET          INCHES  
607 FEET          INCHES          FEET          INCHES  
         FEET          INCHES          FEET          INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	20			
Gravel			20	78			
Line Shells			78	80			
Slate			80	92			
Sand		Soft	92	120			80' 2" of 14" O.D. Drive Pipe.
Shells, Slate and Red Rock			120	169			
Sand			169	211			
Slate			211	236			
Red Rock			236	256			
Slate and Red Rock			256	379			
Slate			379	393			
Coal			393	394			
Slate	Dark		394	410			
Slate	Blue		410	440			
Line		Gritty	440	470			Run 10" Casing at 440'.
Slate	dark		470	520			
Line and Slate			520	560			
Sand			560	607			
Coal			607	609			
Slate			609	627			
Line			627	640			
Slate			640	652			
Line			652	683			
Slate			683	697			
Sand			697	715			
Slate			715	745			
Sand			745	845	Water	825'	10 Barrels
Slate, Shells			845	956			
Sand			956	1070			
Line			1070	1100	Water	1,138'	Hole Full.
Sand			1100	1348	Water	1,190'-1200'	Slate Break at 1,155'



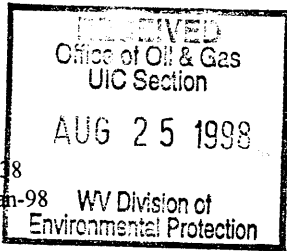
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1348	1352			
Lime			1352	1385			
Slate, Shells			1385	1505			
Sand			1505	1515			
Slate			1515	1520			
Lime			1520	1630			
Slate, Lime			1630	1830			
Pine Rock			1830	1890			
Slate, Lime			1890	4184			
Shale	Brown		4184	4199			
Lime			4199	6232			
Slate and Shells			6232	5030			
Shale	Brown		5030	5290			
Shale	Gray		5290	5328			
Shale	Brown		5328	5430			
Lime			5430	5464			
Shale	Black		5464	5798	Gas Pockets		
					5464		
					5487		
					5490		
					5500		
					5508		
					5515		
					5518		
					5530		
					5542		
Lime			5798	6390	Water	6252	Run 8" L. at 6252'. Run Schlumberger Survey. Run 7" O. D. Casing at 6,390'. 500 sacks Cement run by Halliburton.
Salt			6390				
Total Depth				6544			Run Schlumberger Survey. Run 4" Tubing.
				5798			
				635	635		
				5163			

Date Feb 16, 1953

APPROVED Raymond Proctor D.W., Owner

By [Signature]

(Title)



WR-38  
28-Jan-98

API # 47- 51-00242-P

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: HANLIN CHEMICALS Operator Well No.: 2-S-4

LOCATION: Elevation: 635.30 Quadrangle: BUSINESSBURG  
District: CLAY County: MARSHALL  
Latitude: 2250 Feet South of 39 Deg. 55 Min. 0 Sec.  
Longitude: 3000 Feet West of 80 Deg. 47 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS \_\_\_\_\_ OTHER: BRINE

Company: Allied Signal Inc. Coal Operator \_\_\_\_\_  
PO Box J or Owner \_\_\_\_\_  
Moundsville, WV 26041

Agent: Don P. DeNoon Coal Operator \_\_\_\_\_  
or Owner \_\_\_\_\_

Permit Issued: 01/28/98

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of \_\_\_\_\_ ss:

Union Drilling and James R. Harry, Consultant being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named operator, and participated in the work of plugging and filling the above well, and Michael W. Lewis Oil and Gas Inspector representing the Director, say that said work was commenced on the 16 day of December, 1997, and that the well was plugged and filled in the following manner:

Type	From	To	Pipe Removed	Left
Class A	4.079'	4.180'	14" 0'	83'
Salt Gel	3.990'	4.079'	10(3/4)" 0'	443'
Class A w/Latex	3.640'	3.990'	8(5/8)" 0'	1,800'
Salt Gel	2.990'	3.640'	7" 0'	6,522'
Class A w/Latex	1.856'	2.990'		
Salt Gel	0'	1.856'		
7" Window Cut	3.890'	3.940'		
7" Window Cut	2.019'	2.052'		
7" Perforations	1700'	8 shots		

Description of monument: 8(5/8) welded pipe w/2" vent (5' length)  
and that the work of plugging and filling said well was completed on the 6 day of February, 1998.

and further deponents saith not.

Will J. Gault Union Drilling

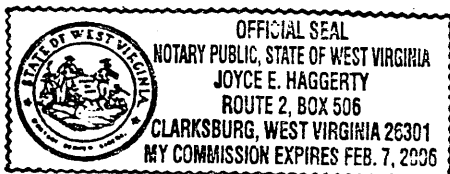
Sworn and subscribe before me this 16 day of AUGUST, 1998

My commission expires: 2-7-2006

James R. Harry, Consultant

Joyce E. Haggerty  
Notary Public

Oil and Gas Inspector: Michael W. Lewis



AUG 31 1998

MARS 0242-P